

Comparisons of Job Characteristics

Focus Occupation: Dental Laboratory Technicians (51-9081)

Associated Occupation: Jewelers and Precious Stone and Metal Workers (51-9071)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 65

Focus Occupation: Dental Laboratory Technicians (51-9081)

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Production and Processing	6.0	11.4	11.2	0	Current knowledge level may be sufficient
Sales and Marketing	5.2	8.5	7.2	<	Expanded education and/or training may be required
Design	5.2	8.4	11.7	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Dental Laboratory Technicians (51-9081)

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Quality Control Analysis	5.9	9.0	10.1	>	Skill level is likely sufficient
Operations Analysis	5.0	6.8	3.4	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	5.4	5.9	0	Current skill level may be sufficient
Management of Financial Resources	3.3	4.9	2.7	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	4.9	3.9	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Dental Laboratory Technicians (51-9081)

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Near Vision	11.1	16.7	14.2	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	15.0	12.0	<	Some improvement in abilities may be required
Finger Dexterity	7.6	14.5	14.1	0	Current ability level may be sufficient
Control Precision	6.6	11.3	12.6	>	Current ability level is likely sufficient
Manual Dexterity	6.5	10.4	9.2	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	10.1	7.5	<<	Extensive improvement in abilities may be required
Flexibility of Closure	7.8	9.8	8.7	<	Some improvement in abilities may be required
Wrist-Finger Speed	3.2	5.5	5.4	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Dental Laboratory Technicians (51-9081)

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Work Activities	Exclusivity of Activity
Cast metal objects	89
Examine products or work to verify conformance to specifications	15
Fabricate, assemble, or disassemble manufactured products by hand	11
Make independent judgment in assembly procedures	64
Mix paint, ingredients, or chemicals, according to specifications	35
Read specifications	23
Solder metal parts or components together	73
Test manufactured products or materials	64
Use hand or power tools	2
Use precision measuring tools or equipment	17
Use soldering equipment	44

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Dental Laboratory Technicians (51-9081)

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.